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The interface message processor for the ARPANET computer network

EE Heart, SE Kotter, SM Constantine ... - of the Mac-H-2, 1970 ... 1970 - portal.acm.org
 ... Snapshots are summaries of the internal status of queue lengths and routing information ... to occur at roughly the same time in all network IMPs; a Host receiving such snapshot messages could presumably build up an instantaneous picture of overall network status. ...

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RD Hill, CA Cowherd ... - SIMULATION SERIES, 2000 - citeseer

... The Network Bandwidth Design, Simulation, and Management tool ... It will also include a higher fidelity, incorporating battalion and lower tactical entities, and perhaps interfacing the lower-level function to OpNet, NetCracker, or other device-level network simulators. ...

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Simulation of distributed processing networks

M Tsuchiya ... - Computer Networks and ISDN Systems, 1993 - Elsevier
 ... Also the user may specify an intermediate device of "LOCAL" for messages which do not leave the originating node. ... [2] Labenicht, EG Manning and RW Peebles, "A Homogeneous Network Analysis and Simulation", Computer Networks, Vol. 1, No. ...

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Guest Editor's Overview... Queueing Network Models of Computer System Performance

GS Graham - ACM Computing Surveys (CSUR), 1978 - portal.acm.org
 ... replace a subsystem in the simulation of an entire system, thereby simplifying the overall simulation ... of CPU instructions executed per burst and the routing behavior of jobs through the network) ... must know the number of jobs, their service time requirements per device, and their ...

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A distributed approach to queueing network simulation

JK Peacock, JW Wong ... - on Winter simulation-Volume 2, 1979 - portal.acm.org
 ... process creation, blocking and unblocking, timeouts, and input/output through appropriate device drivers ... the times decrease monotonically with additional processors, we note that the simulation with two ... The results for the next example, a network with a single fork, are given in ...

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Communication protocol for statistical multiplexers arranged in a wide area network

KS Kim - US Patent 5,153,676, 1992 - Google Patents
 ... 4 CD CO KO O CO 00 CD O CO UU CVJ CD IU 3 ^ 3 INPUT QUEUE 1 0 ... layer 31 is the physical interconnection between a first device A and a second device B. In ... Broad-cast messages can also be used to distribute other information such as network configuration data and ...

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A signaling level simulation for IS-95 mobile communication network

CP Lin, JH Lin, SW Lin, YC Lin, YC Lin, YC Lin ... - VTC, 2000 - ieeexplore.ieee.org
 ... terminated call total can 3. Loading the percentage of the certain network equipment is ... are proposed to execute this simulation tested: Step 0 When we start the simulation, the main ... Step 2 Describe the BSC topological configuration: enter the number of device and click the ...

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Network design consideration for distributed control systems

FL Lin, J Moigne ... - Control Systems Technology, ... 2002 - ieeexplore.ieee.org
 ... The trend of the simulation result with actual network and device delays here agrees with the DeviceNet case in the previous section, except for the exact sampling periods where the system performance degrades. ...

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A scalable architecture for the rapid prototyping of aircraft cockpits

BK Geerts ... - 1983 - Proceedings of the IEEE, 1983 ... 2002 - ieeexplore.ieee.org
 ... This text is automatically routed over the network to one workstation to provide a centralized ... The Simulation Application Software is the second layer in the software architecture. ... The second layer components control the interface to the device and standard computing models. ...

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Simulation of hypercube architectures using Network II.5

PD Vasilescu, M. S. Krishnamoorthy ... - Proceedings, 1990 - ieeexplore.ieee.org
 ... The results with a group that may be full at most times, a high utilization for the transmission device between the two and the overall utilization I E Proceedings - 1990 Southeastcon 459 Page 4. ... Simulation was performed using NETWORK II.5 and proved feasible. ...

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Mobile agent simulation - ViSiDiA

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The Graphical User Interface (GUI) consists in four parts: ... and start a new **message-passing simulation** with fixed processes and local **network** ... You can display **statistics** about the **mobile agent** simulation, using the "**Statistics**" ... The **sensor communication** distance can be set in the **ViSiDiA/Preferences** menu. ...

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[ieeexplore.ieee.org](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=875000) > > Conferences > Vehicular Technology Conference
 by LP Chin - 1999

Aug 6, 2002 - A signaling level **simulation** for **IS-95 mobile communication network** ... The testbed consists of an **interface**, a **simulator**, a database, plus a display of the **statistical** output ... efficiency , **event** management , network device , network link , performance evaluation , signaling level prototype ...

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NETWORK WHICH ... time stamping each event. Channel usage results are presented from the **simulations** which show that the ... mitter power **statistics** are also included to illustrate ...

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drum.lib.umd.edu/bitstream/1903/5919/1/TR_97-53.pdf
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 by JS Baras - 1997 - Cited by 6 - Related articles
event simulation of tactical **communication networks** to generate **statistical** parameters for higher-level, hi-
 erarchical, analytical models to permit fast ... of **mobile** users surrounding rapidly deployable cellu- lar base stations. graphical user **interface** GUI which forms the client. Thus, while **simulations** ...



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Simulator for Vehicular Networks ... GrooveNet is a modular event-based simulator with well-defined model interfaces that make ...

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Push ... Network triggered events, such as messages sent from a mobile phone to an application, ... A simulator, including application-facing telecom interfaces; A simulator GUI ...

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"Network" is meant in a broader sense that includes wired and wireless ... Horizon employs a centralized (master-worker) parallel event execution scheme which ... interface

feature to support runtime selection of simulation modules from a ... a new fork of INET Framework developed for hybrid networking research ...

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Simulation of 8 kbps ACELP over GSM platformWan Lei; Li Xun; Jiang Ling; Kuang Jingming;
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X. Feng, R. Rajamony... - ACM SIGART Newsletter, 1998 - pavil.sron.org
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GA Geist... - Concurrency: Practice and ... 1992 - Wiley Online Library
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CC Shen - Future Generation Computer Systems, 2000 - Elsevier
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H. Gehr, S. Jagannathan... - US Patent 5,745,703, 1998 - Google Patents
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